Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptayvv1621

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

```
 NEWS  1          Web Page for STN Seminar Schedule - N. America
 NEWS  2  OCT 02  CA/CAplus enhanced with pre-1907 records from Chemisches
                  Zentralblatt
 NEWS  3  OCT 19  BEILSTEIN updated with new compounds
 NEWS  4  NOV 15  Derwent Indian patent publication number format enhanced
 NEWS  5  NOV 19  WPIX enhanced with XML display format
 NEWS  6  NOV 30  ICSD reloaded with enhancements
 NEWS  7  DEC 04  LINPADOCDB now available on STN
 NEWS  8  DEC 14  BEILSTEIN pricing structure to change
 NEWS  9  DEC 17  USPATOLD added to additional database clusters
 NEWS 10  DEC 17  IMSDRUGCONF removed from database clusters and STN
 NEWS 11  DEC 17  DGENE now includes more than 10 million sequences
 NEWS 12  DEC 17  TOXCENTER enhanced with 2008 MeSH vocabulary in
                  MEDLINE segment
 NEWS 13  DEC 17  MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
 NEWS 14  DEC 17  CA/CAplus enhanced with new custom IPC display formats
 NEWS 15  DEC 17  STN Viewer enhanced with full-text patent content
                  from USPATOLD
 NEWS 16  JAN 02  STN pricing information for 2008 now available
 NEWS 17  JAN 16  CAS patent coverage enhanced to include exemplified
                  prophetic substances
 NEWS 18  JAN 28  USPATFULL, USPAT2, and USPATOLD enhanced with new
                  custom IPC display formats
 NEWS 19  JAN 28  MARPAT searching enhanced
 NEWS 20  JAN 28  USGENE now provides USPTO sequence data within 3 days
                  of publication
 NEWS 21  JAN 28  TOXCENTER enhanced with reloaded MEDLINE segment
 NEWS 22  JAN 28  MEDLINE and LMEDLINE reloaded with enhancements
 NEWS 23  FEB 08  STN Express, Version 8.3, now available
 NEWS 24  FEB 20  PCI now available as a replacement to DPCI
 NEWS 25  FEB 25  IFIREF reloaded with enhancements
 NEWS 26  FEB 25  IMSPRODUCT reloaded with enhancements
 NEWS 27  FEB 29  WPINDEX/WPIDS/WPIX enhanced with ECLA and current
                  U.S. National Patent Classification


 NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8
```

Enter NEWS followed by the item number or name to see news on that
specific topic.

```
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:16:35 ON 19 MAR 2008

=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 15:17:21 ON 19 MAR 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   18 MAR 2008  HIGHEST RN 1008796-87-9
DICTIONARY FILE UPDATES:  18 MAR 2008  HIGHEST RN 1008796-87-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10584221-limited-halogeneation.str

L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1
MULTIPLE ROLE QUERIES ARE NOT ALLOWED IN A NON-REACTION FILE

=> file casreact
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         2.30       2.51

FILE 'CASREACT' ENTERED AT 15:20:16 ON 19 MAR 2008
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
```

FILE CONTENT:1840 - 15 Mar 2008 VOL 148 ISS 12

New CAS Information Use Policies, enter HELP USAGETERMS for details.

```
*************************************************************
*                                                           *
*     CASREACT now has more than 13.8 million reactions     *
*                                                           *
*************************************************************
```

Some CASREACT records are derived from the ZIC/VINITI database (1974-1999)
provided by InfoChem, INPI data prior to 1986, and Biotransformations
database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance
identification.

```
=> s l1
SAMPLE SEARCH INITIATED 15:20:22 FILE 'CASREACT'
SCREENING COMPLETE -      517 REACTIONS TO VERIFY FROM       35 DOCUMENTS

100.0% DONE     517 VERIFIED       0 HIT RXNS                       0 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED VERIFICATIONS:      8977 TO    11703
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1 (     0 REACTIONS)

=> s l1 full
FULL SEARCH INITIATED 15:20:27 FILE 'CASREACT'
SCREENING COMPLETE -     8713 REACTIONS TO VERIFY FROM      711 DOCUMENTS

100.0% DONE    8713 VERIFIED      20 HIT RXNS                      1 DOCS
SEARCH TIME: 00.00.04

L3            1 SEA SSS FUL L1 (    20 REACTIONS)

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     117.96     120.47

FILE 'CAPLUS' ENTERED AT 15:20:40 ON 19 MAR 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)
```

FILE COVERS 1907 - 19 Mar 2008 VOL 148 ISS 12
FILE LAST UPDATED: 18 Mar 2008 (20080318/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> d l3 ibib abs hit str 1-
YOU HAVE REQUESTED DATA FROM FILE 'CASREACT' - CONTINUE? (Y)/N:y

'STR' IS NOT A VALID FORMAT FOR FILE 'CASREACT'

The following are valid formats:

ABS -------- GI and AB
ALL -------- BIB, AB, IND, RE, Single-step Reactions
APPS ------- AI, PRAI
BIB -------- AN, plus Bibliographic Data
CAN -------- List of CA abstract numbers without answer numbers
CBIB ------- AN, plus Compressed Bibliographic Data
DALL ------- ALL, delimited (end of each field identified)
IABS ------- ABS, indented with text labels
IALL ------- ALL, indented with text labels
IBIB ------- BIB, indented with text labels
IND -------- Indexing data
IPC -------- International Patent Classifications
ISTD ------- STD, indented with text labels
OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

MAX -------- Same as ALL
PATS ------- PI, SO
SCAN ------- TI and FCRD (random display, no answer number. SCAN
             must be entered on the same line as DISPLAY, e.g.,
             D SCAN.)
SSRX ------- Single-Step Reactions (Map, Diagram, and Summary for
             all single-step reactions)
STD -------- BIB, IPC, and NCL

CRD -------- Compact Display of All Hit Reactions
CRDREF ----- Compact Reaction Display and SO, PY for Reference
FHIT ------- Reaction Map, Diagram, and Summary for first
             hit reaction
FHITCBIB --- FHIT, AN plus CBIB
FCRD ------- First hit in Compact Reaction Display (CRD) format
FCRDREF ---- First hit in Compact Reaction Display (CRD) format with
             CA reference information (SO, PY). (Default)
FPATH ------ PATH, plus Reaction Summary for the "long path"
FSPATH ----- SPATH, plus Reaction Summary for the "short path"
HIT -------- Reaction Map, Reaction Diagram, and Reaction
             Summary for all hit reactions and fields containing
             hit terms

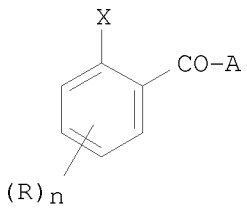
```
OCC -------- All hit fields and the number of occurrences of the
             hit terms in each field.  Includes total number of
             HIT, PATH, SPATH reactions. Labels reactions that have
             incomplete verifications.
PATH ------- Reaction Map and Reaction Diagram for the "long
             path".  Displays all hit reactions, except those
             whose steps are totally included within another hit
             reaction which is displayed
RX --------- Hit Reactions (Map, Diagram, Summary for all hit reactions)
RXG -------- Hit Reaction Graphics (Map and Diagram for all hit reactions)
RXL -------- Hit Reaction Long (Map, Diagram, Summary for all hit reactions)
RXS -------- Hit Reaction Summariers (Map and Summary for all hit reactions)
SPATH ------ Reaction Map and Reaction Diagram for the "short
             path".  Displays all single step reactions which
             contain a hit substance.  Also displays those
             multistep reactions that have a hit substance in both
             the first and last steps of the reaction, except for
             those hit reactions whose steps are totally included
             within another hit reaction which is displayed

To display a particular field or fields, enter the display field
codes.  For a list of the display field codes, enter HELP DFIELDS
at an arrow prompt (=>).  Examples of combinations include: D TI;
D BIB RX; D TI, AU, FCRD.  The information is displayed in the same order
as the specification.  All of the formats, except CRD, CRDREF, FHIT, PATH,
FPATH, SPATH, FSPATH, FCRD, FCRDREF, HIT, RX, RXG, RXS, SCAN, and OCC, may
be used with the DISPLAY command to display the record for a specified
Accession Number.

ENTER DISPLAY FORMAT (FCRDREF):end

=> d l3 ibib abs hitstr 1-
YOU HAVE REQUESTED DATA FROM FILE 'CASREACT' - CONTINUE? (Y)/N:y



'HITSTR' IS NOT A VALID FORMAT FOR FILE 'CASREACT'

The following are valid formats:

ABS -------- GI and AB
ALL -------- BIB, AB, IND, RE, Single-step Reactions
APPS ------- AI, PRAI
BIB -------- AN, plus Bibliographic Data
CAN -------- List of CA abstract numbers without answer numbers
CBIB ------- AN, plus Compressed Bibliographic Data
DALL ------- ALL, delimited (end of each field identified)
IABS ------- ABS, indented with text labels
IALL ------- ALL, indented with text labels
IBIB ------- BIB, indented with text labels
IND -------- Indexing data
IPC -------- International Patent Classifications
ISTD ------- STD, indented with text labels
OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

MAX -------- Same as ALL
PATS ------- PI, SO
SCAN ------- TI and FCRD (random display, no answer number.  SCAN
             must be entered on the same line as DISPLAY, e.g.,
```

```
             D SCAN.)
SSRX ------- Single-Step Reactions (Map, Diagram, and Summary for
             all single-step reactions)
STD -------- BIB, IPC, and NCL

CRD -------- Compact Display of All Hit Reactions
CRDREF ----- Compact Reaction Display and SO, PY for Reference
FHIT ------- Reaction Map, Diagram, and Summary for first
             hit reaction
FHITCBIB --- FHIT, AN plus CBIB
FCRD ------- First hit in Compact Reaction Display (CRD) format
FCRDREF ---- First hit in Compact Reaction Display (CRD) format with
             CA reference information (SO, PY).  (Default)
FPATH ------ PATH, plus Reaction Summary for the "long path"
FSPATH ----- SPATH, plus Reaction Summary for the "short path"
HIT -------- Reaction Map, Reaction Diagram, and Reaction
             Summary for all hit reactions and fields containing
             hit terms
OCC -------- All hit fields and the number of occurrences of the
             hit terms in each field.  Includes total number of
             HIT, PATH, SPATH reactions. Labels reactions that have
             incomplete verifications.
PATH ------- Reaction Map and Reaction Diagram for the "long
             path".  Displays all hit reactions, except those
             whose steps are totally included within another hit
             reaction which is displayed
RX --------- Hit Reactions (Map, Diagram, Summary for all hit reactions)
RXG -------- Hit Reaction Graphics (Map and Diagram for all hit reactions)
RXL -------- Hit Reaction Long (Map, Diagram, Summary for all hit reactions)
RXS -------- Hit Reaction Summariers (Map and Summary for all hit reactions)
SPATH ------ Reaction Map and Reaction Diagram for the "short
             path".  Displays all single step reactions which
             contain a hit substance.  Also displays those
             multistep reactions that have a hit substance in both
             the first and last steps of the reaction, except for
             those hit reactions whose steps are totally included
             within another hit reaction which is displayed

To display a particular field or fields, enter the display field
codes.  For a list of the display field codes, enter HELP DFIELDS
at an arrow prompt (=>).  Examples of combinations include: D TI;
D BIB RX; D TI, AU, FCRD.  The information is displayed in the same order
as the specification.  All of the formats, except CRD, CRDREF, FHIT, PATH,
FPATH, SPATH, FSPATH, FCRD, FCRDREF, HIT, RX, RXG, RXS, SCAN, and OCC, may
be used with the DISPLAY command to display the record for a specified
Accession Number.

ENTER DISPLAY FORMAT (FCRDREF):end

=> d l3 ibib abs
YOU HAVE REQUESTED DATA FROM FILE 'CASREACT' - CONTINUE? (Y)/N:y




L3   ANSWER 1 OF 1  CASREACT  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:        135:344284  CASREACT
TITLE:                   Process for the preparation of 2-halobenzoic acids by
                         palladium-catalyzed regioselective halogenation of
                         benzoic acids
INVENTOR(S):             Kodama, Hiroki; Katsuhira, Takeshi; Nishida, Tateki;
                         Hino, Tomokazu; Tsubata, Kenji
```

PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan
SOURCE: PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001083421	A1	20011108	WO 2001-JP3707	20010427
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001052638	A	20011112	AU 2001-52638	20010427
EP 1277726	A1	20030122	EP 2001-926032	20010427
EP 1277726	B1	20070103		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
HU 2003000592	A2	20030728	HU 2003-592	20010427
HU 2003000592	A3	20051128		
TW 282786	B	20070621	TW 2001-90110105	20010427
JP 2002338516	A	20021127	JP 2001-134049	20010501
IN 2002CN01739	A	20050211	IN 2002-CN1739	20021023
US 2003181759	A1	20030925	US 2003-258478	20030529
US 7057067	B2	20060606		
IN 2007CN01448	A	20071116	IN 2007-CN1448	20070409
PRIORITY APPLN. INFO.:			JP 2000-131032	20000428
			JP 2001-76073	20010316
			WO 2001-JP3707	20010427
			IN 2002-CN1739	20021023

OTHER SOURCE(S): MARPAT 135:344284
GI



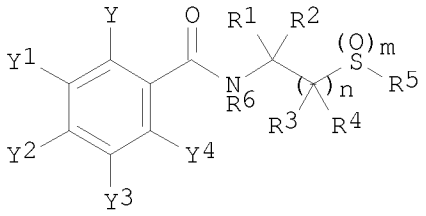
I

AB A process for the preparation of 2-halobenzoic acids of the general formula [I; A is OH, OM (wherein M is an alkali metal), or NR6R7 (wherein R6 and R7 are each H, C1-6 alkyl, optionally substituted Ph, or the like); R is H, C1-6 alkyl, C1-6 alkylcarbonyl, carboxyl, C1-12 alkoxycarbonyl, optionally substituted phenylcarbonyl, or the like; n is 0 to 4; and X is Cl, Br, or iodo, or alternatively nR's may be present on benzene-constituting carbon atoms adjacent to each other and form a C3-4 alkylene or C3-4 alkenylene-fused ring.] is characterized by reacting a benzoic acid of the general formula I (X = H; A, R, n = same as above) with a halogenating agent in the presence of a Pd catalyst. This process provides regioselective halogenation under mild conditions. Thus, 0.3 g o-toluic acid, 0.5 g N-iodosuccinimide, and 11 mL DMF were added to 50 mg Pd(OAc)2

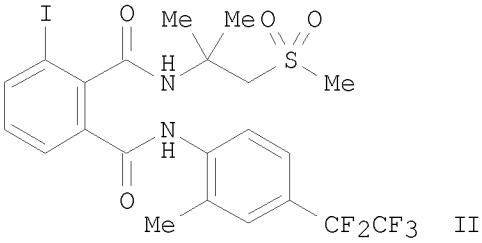
```
     in a 50 mL glass reaction vessel and stirred at 100° for 6 h to
     give 92% 2-iodo-6-methylbenzoic acid with 100% regioselectivity.
REFERENCE COUNT:          1     THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       1.44     127.49

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -0.75

FILE 'REGISTRY' ENTERED AT 15:23:42 ON 19 MAR 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   18 MAR 2008  HIGHEST RN 1008796-87-9
DICTIONARY FILE UPDATES:  18 MAR 2008  HIGHEST RN 1008796-87-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10584221-product.str

L4      STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4              STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.


=> s l4
SAMPLE SEARCH INITIATED 15:24:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    11999 TO ITERATE

 16.7% PROCESSED     2000 ITERATIONS                                36 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
```

```
PROJECTED ITERATIONS:       233416 TO   246544
PROJECTED ANSWERS:            3438 TO     5200

L5           36 SEA SSS SAM L4

=> s l4 full
FULL SEARCH INITIATED 15:24:06 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   241591 TO ITERATE

100.0% PROCESSED   241591 ITERATIONS                            3471 ANSWERS
SEARCH TIME: 00.00.04

L6         3471 SEA SSS FUL L4

=>
Uploading C:\Program Files\Stnexp\Queries\10584221-start-mat.str

L7      STRUCTURE UPLOADED

=> s l7 full
FULL SEARCH INITIATED 15:25:30 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   338183 TO ITERATE

100.0% PROCESSED   338183 ITERATIONS                            9591 ANSWERS
SEARCH TIME: 00.00.11

L8         9591 SEA SSS FUL L7

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   357.64     485.13

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -0.75

FILE 'CAPLUS' ENTERED AT 15:25:49 ON 19 MAR 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
American Chemical Society and is provided to assist you in searching
databases on STN.  Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 19 Mar 2008  VOL 148 ISS 12
FILE LAST UPDATED: 18 Mar 2008  (20080318/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l6 and l8
           155 L6
```

```
          1702 L8
L9          52 L6 AND L8

=> s l9 and catalyst
        794610 CATALYST
L10          2 L9 AND CATALYST

=> s l9 and palladium
        175682 PALLADIUM
L11          2 L9 AND PALLADIUM

=> s l10 or l11
L12          2 L10 OR L11

=> d l12 ibib abs hitstr 1-
YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L12  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2005:612248  CAPLUS
DOCUMENT NUMBER:          143:133190
TITLE:                    Process for the preparation of 2-halogenobenzamide
                          derivatives
INVENTOR(S):              Abe, Noboru; Kodama, Hiroki; Yoshiura, Akihiko
PATENT ASSIGNEE(S):       Nihon Nohyaku Co., Ltd., Japan
SOURCE:                   PCT Int. Appl., 34 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     WO 2005063703         A1    20050714    WO 2004-JP19234         20041222
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK,
             LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO,
             NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
             TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
             RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
             MR, NE, SN, TD, TG
     EP 1698619            A1    20060906    EP 2004-807591          20041222
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS
     CN 1906158             A     20070131    CN 2004-80038873        20041222
     JP 2005206593          A     20050804    JP 2004-373961          20041224
     IN 2006CN02335         A     20070706    IN 2006-CN2335          20060626
     US 2007293701          A1    20071220    US 2007-584221          20070620
PRIORITY APPLN. INFO.:                         JP 2003-431988      A   20031226
                                               WO 2004-JP19234     W   20041222
OTHER SOURCE(S):          MARPAT 143:133190
GI
```



I



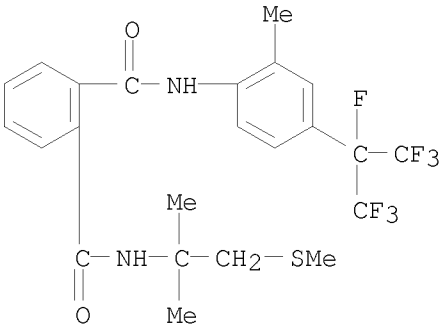
II

AB A process for the preparation of title compds. of formula I [Y = Cl, Br or iodo; R1-R4, R6 = independently H or alkyl; R5 = alkyl; m = 2; n = 1 or 2; Y1-Y4 = independently H, halo, cyano, nitro, alkyl, etc.] comprising reacting a compound I (Y = H, m = 0 or 1, the others are defined as above) with a halogenating agent in the presence of a palladium catalyst and then reacting with an oxidizing agent is disclosed. For example, II was given in a multi-step synthesis starting from phthalic acid anhydride. The title compound is useful as a raw material or active ingredient for medicines and agricultural chems. (no data).

IT 371771-01-6P 371771-07-2P 858658-99-8P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 2-halogenobenzamide derivs. by Pd-catalyzed halogenation and oxidation of correspond benzamides)

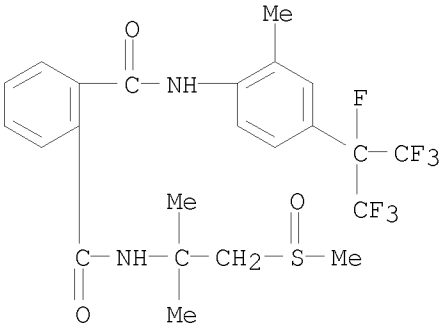
RN 371771-01-6 CAPLUS

CN 1,2-Benzenedicarboxamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-N'-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)

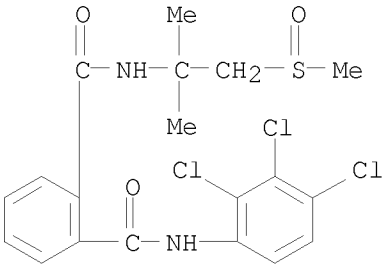


RN 371771-07-2 CAPLUS

CN 1,2-Benzenedicarboxamide, N-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-N'-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)

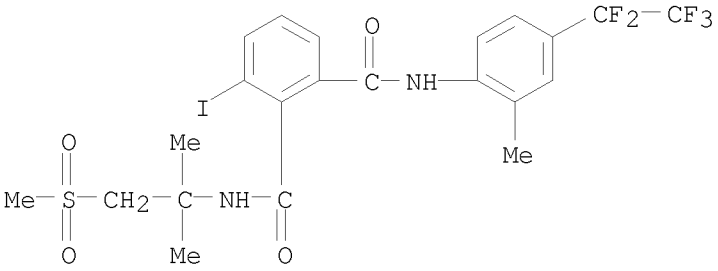


RN 858658-99-8 CAPLUS
CN 1,2-Benzenedicarboxamide, N-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-N'-(2,3,4-trichlorophenyl)- (9CI) (CA INDEX NAME)

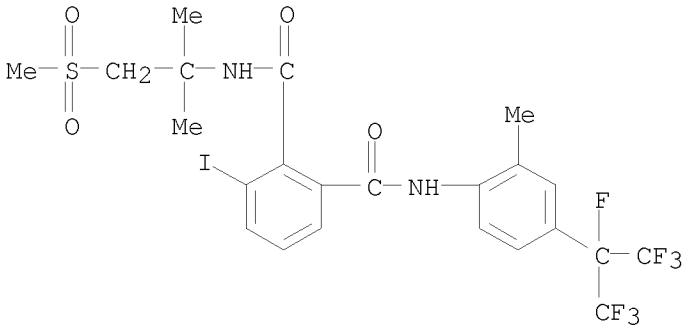


IT 272451-63-5P 272451-65-7P 474558-18-4P
858658-98-7P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of 2-halogenobenzamide derivs. by Pd-catalyzed halogenation and oxidation of correspond benzamides)

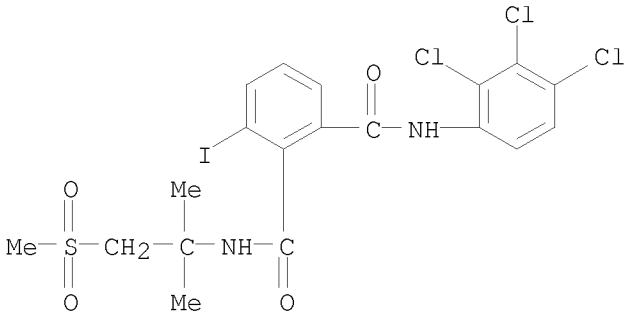
RN 272451-63-5 CAPLUS
CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-N1-[2-methyl-4-(pentafluoroethyl)phenyl]- (9CI) (CA INDEX NAME)



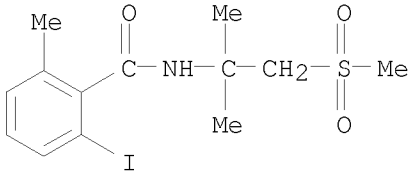
RN 272451-65-7 CAPLUS
CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



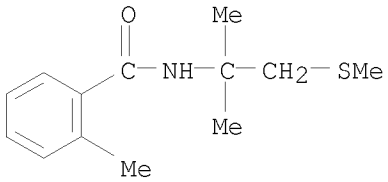
RN 474558-18-4 CAPLUS
CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-N1-(2,3,4-trichlorophenyl)- (CA INDEX NAME)



RN 858658-98-7 CAPLUS
CN Benzamide, N-[1,1-dimethyl-2-(methylsulfonyl)ethyl]-2-iodo-6-methyl- (CA INDEX NAME)

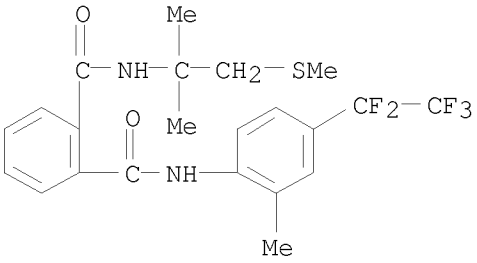


IT 858659-00-4 858659-01-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of 2-halogenobenzamide derivs. by Pd-catalyzed halogenation and oxidation of correspond benzamides)
RN 858659-00-4 CAPLUS
CN Benzamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-2-methyl- (CA INDEX NAME)



RN 858659-01-5 CAPLUS
CN 1,2-Benzenedicarboxamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-N'-[2-

methyl-4-(pentafluoroethyl)phenyl]- (9CI) (CA INDEX NAME)



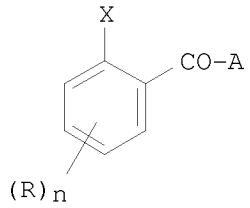
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:816609 CAPLUS
DOCUMENT NUMBER: 135:344284
TITLE: Process for the preparation of 2-halobenzoic acids by palladium-catalyzed regioselective halogenation of benzoic acids
INVENTOR(S): Kodama, Hiroki; Katsuhira, Takeshi; Nishida, Tateki; Hino, Tomokazu; Tsubata, Kenji
PATENT ASSIGNEE(S): Nihon Nohyaku Co., Ltd., Japan
SOURCE: PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2001083421	A1	20011108	WO 2001-JP3707		20010427
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
AU 2001052638	A	20011112	AU 2001-52638		20010427
EP 1277726	A1	20030122	EP 2001-926032		20010427
EP 1277726	B1	20070103			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
HU 2003000592	A2	20030728	HU 2003-592		20010427
HU 2003000592	A3	20051128			
TW 282786	B	20070621	TW 2001-90110105		20010427
JP 2002338516	A	20021127	JP 2001-134049		20010501
IN 2002CN01739	A	20050211	IN 2002-CN1739		20021023
US 2003181759	A1	20030925	US 2003-258478		20030529
US 7057067	B2	20060606			
IN 2007CN01448	A	20071116	IN 2007-CN1448		20070409
PRIORITY APPLN. INFO.:			JP 2000-131032	A	20000428
			JP 2001-76073	A	20010316
			WO 2001-JP3707	W	20010427
			IN 2002-CN1739	A3	20021023

OTHER SOURCE(S): CASREACT 135:344284; MARPAT 135:344284

GI



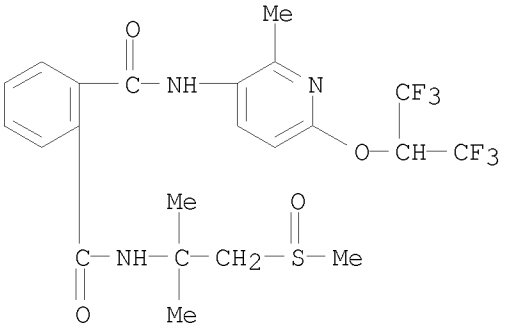
I

AB A process for the preparation of 2-halobenzoic acids of the general formula [I; A is OH, OM (wherein M is an alkali metal), or NR6R7 (wherein R6 and R7 are each H, C1-6 alkyl, optionally substituted Ph, or the like); R is H, C1-6 alkyl, C1-6 alkylcarbonyl, carboxyl, C1-12 alkoxycarbonyl, optionally substituted phenylcarbonyl, or the like; n is 0 to 4; and X is Cl, Br, or iodo, or alternatively nR's may be present on benzene-constituting carbon atoms adjacent to each other and form a C3-4 alkylene or C3-4 alkenylene-fused ring.] is characterized by reacting a benzoic acid of the general formula I (X = H; A, R, n = same as above) with a halogenating agent in the presence of a Pd catalyst. This process provides regioselective halogenation under mild conditions. Thus, 0.3 g o-toluic acid, 0.5 g N-iodosuccinimide, and 11 mL DMF were added to 50 mg Pd(OAc)2 in a 50 mL glass reaction vessel and stirred at 100° for 6 h to give 92% 2-iodo-6-methylbenzoic acid with 100% regioselectivity.

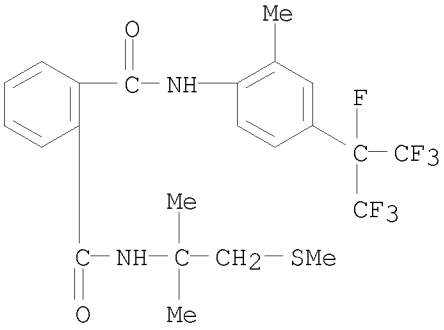
IT 317812-34-3, 2-(((1,1-Dimethyl-2-methylsulfinylethyl)amino)carbonyl)-N-(6-(1,1,1,3,3,3-hexafluoropropan-2-yloxy)-2-methylpyridin-3-yl)benzamide 371771-01-6 371771-03-8 371771-05-0 371771-07-2 371771-08-3, 2-(((1,1-Dimethyl-2-methylsulfinylethyl)amino)carbonyl)benzoic acid methyl ester 371771-18-5, N-(1,1-Dimethyl-2-methylthioethyl)-2-nitrobenzamide 371771-20-9 371771-22-1 371771-24-3 371771-26-5 371771-28-7 371771-30-1 371771-32-3 371771-34-5, 2-(4-Chloro-2-methylphenoxy)-N-(1,1-dimethyl-2-methylthioethyl)benzamide 371771-36-7, 2-(3-Chloro-5-trifluoromethylpyridin-2-yloxy)-N-(1,1-dimethyl-2-methylthioethyl)benzamide 371771-38-9, 2-(4,6-Dimethoxypyrimidin-2-yloxy)-N-(1,1-dimethyl-2-methylthioethyl)benzamide 371771-40-3, 2-(4-Trifluoromethylphenyl)-N-(1,1-dimethyl-2-methylthioethyl)benzamide 371771-42-5, 2-(4-Trifluoromethylphenyl)-N-(1,1-dimethyl-2-methylsulfinylethyl)benzamide 371771-51-6, 2-(((1,1-Dimethyl-2-methylsulfinylethyl)amino)carbonyl)benzoic acid n-butyl ester
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of 2-halobenzoic acids by regioselective halogenation of benzoic acids in presence of palladium compound)

RN 317812-34-3 CAPLUS

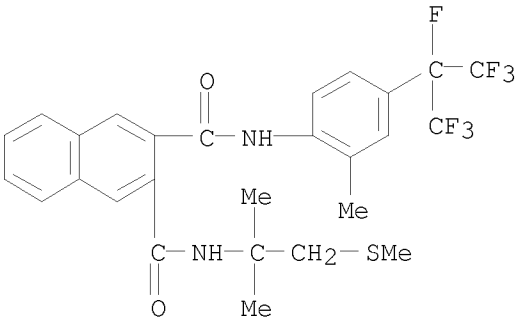
CN 1,2-Benzenedicarboxamide, N-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-N'-[2-methyl-6-[2,2,2-trifluoro-1-(trifluoromethyl)ethoxy]-3-pyridinyl]- (9CI) (CA INDEX NAME)



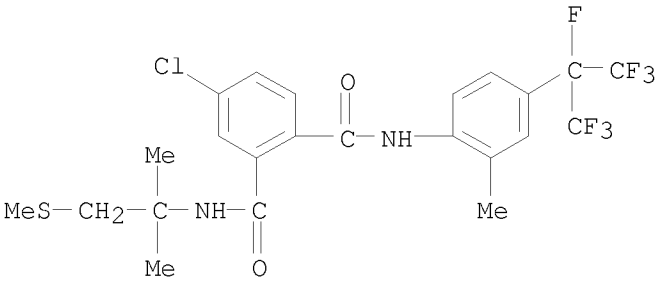
RN 371771-01-6 CAPLUS
CN 1,2-Benzenedicarboxamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-N'-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



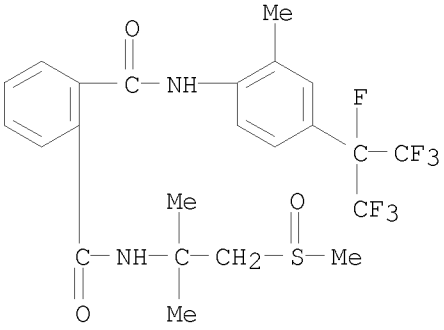
RN 371771-03-8 CAPLUS
CN 2,3-Naphthalenedicarboxamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-N'-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



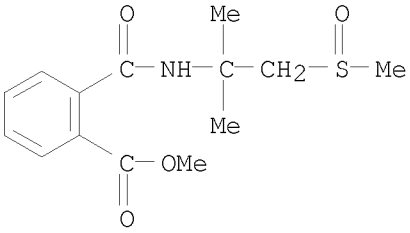
RN 371771-05-0 CAPLUS
CN 1,2-Benzenedicarboxamide, 4-chloro-N2-[1,1-dimethyl-2-(methylthio)ethyl]-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



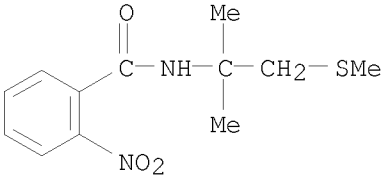
RN 371771-07-2 CAPLUS
CN 1,2-Benzenedicarboxamide, N-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-N'-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



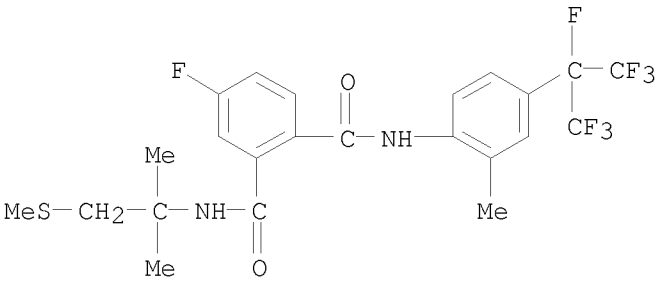
RN 371771-08-3 CAPLUS
CN Benzoic acid, 2-[[[1,1-dimethyl-2-(methylsulfinyl)ethyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)



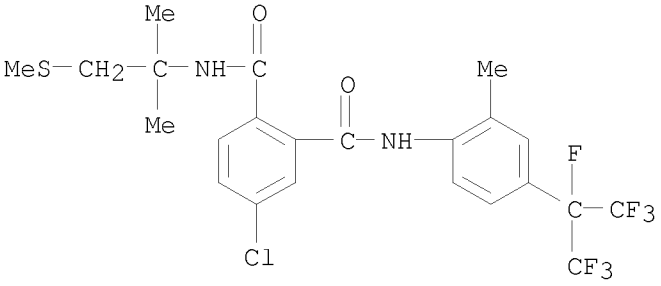
RN 371771-18-5 CAPLUS
CN Benzamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-2-nitro- (CA INDEX NAME)



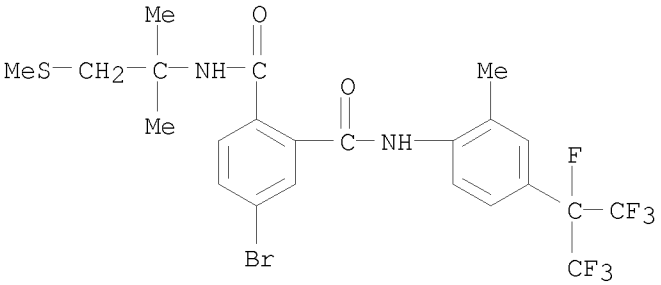
RN 371771-20-9 CAPLUS
CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-4-fluoro-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



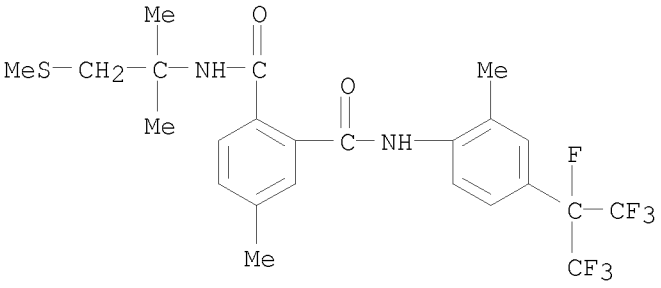
RN 371771-22-1 CAPLUS
CN 1,2-Benzenedicarboxamide, 4-chloro-N1-[1,1-dimethyl-2-(methylthio)ethyl]-N2-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



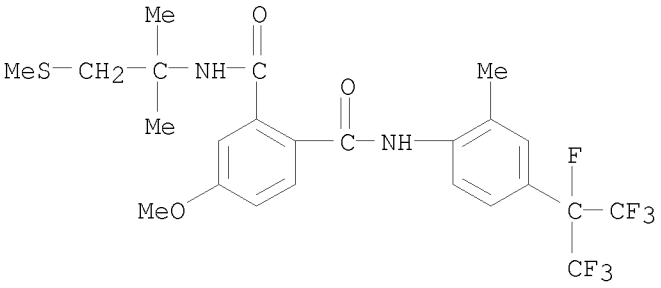
RN 371771-24-3 CAPLUS
CN 1,2-Benzenedicarboxamide, 4-bromo-N1-[1,1-dimethyl-2-(methylthio)ethyl]-N2-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



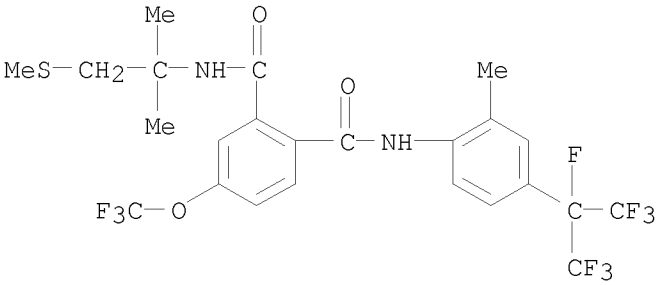
RN 371771-26-5 CAPLUS
CN 1,2-Benzenedicarboxamide, N1-[1,1-dimethyl-2-(methylthio)ethyl]-4-methyl-N2-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



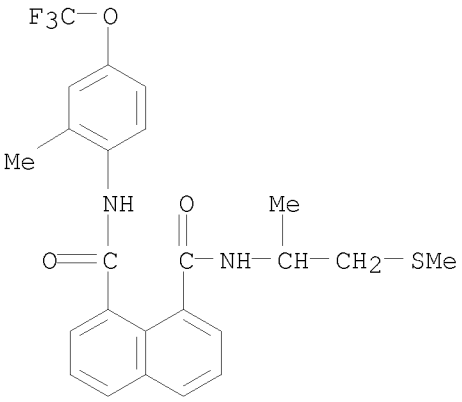
RN 371771-28-7 CAPLUS
CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-4-methoxy-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



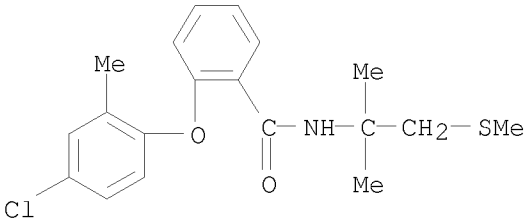
RN 371771-30-1 CAPLUS
CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-4-(trifluoromethoxy)- (CA INDEX NAME)



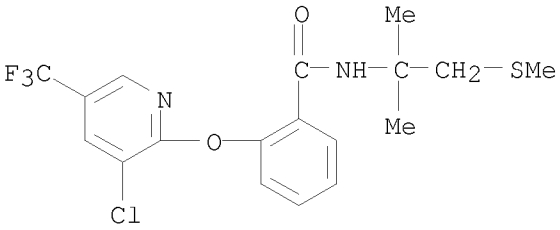
RN 371771-32-3 CAPLUS
CN 1,8-Naphthalenedicarboxamide, N-[1-methyl-2-(methylthio)ethyl]-N'-[2-methyl-4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



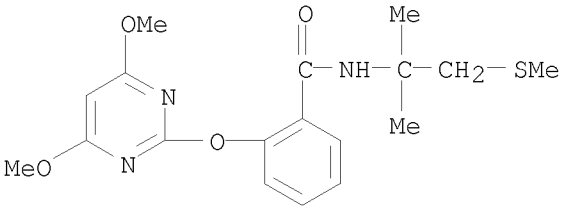
RN 371771-34-5 CAPLUS
CN Benzamide, 2-(4-chloro-2-methylphenoxy)-N-[1,1-dimethyl-2-(methylthio)ethyl]- (CA INDEX NAME)



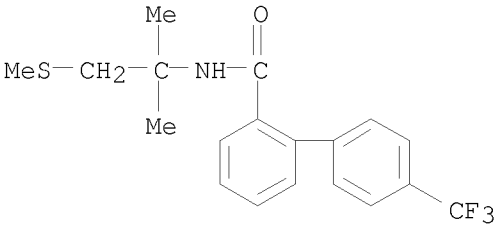
RN 371771-36-7 CAPLUS
CN Benzamide, 2-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]-N-[1,1-dimethyl-2-(methylthio)ethyl]- (CA INDEX NAME)



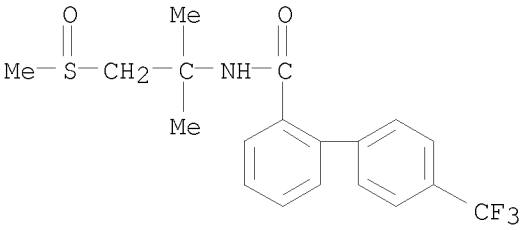
RN 371771-38-9 CAPLUS
CN Benzamide, 2-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-N-[1,1-dimethyl-2-(methylthio)ethyl]- (CA INDEX NAME)



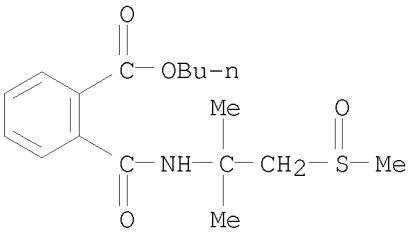
RN 371771-40-3 CAPLUS
CN [1,1'-Biphenyl]-2-carboxamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-4'-(trifluoromethyl)- (CA INDEX NAME)



RN 371771-42-5 CAPLUS
CN [1,1'-Biphenyl]-2-carboxamide, N-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-4'-(trifluoromethyl)- (CA INDEX NAME)



RN 371771-51-6 CAPLUS
CN Benzoic acid, 2-[[[1,1-dimethyl-2-(methylsulfinyl)ethyl]amino]carbonyl]-, butyl ester (CA INDEX NAME)

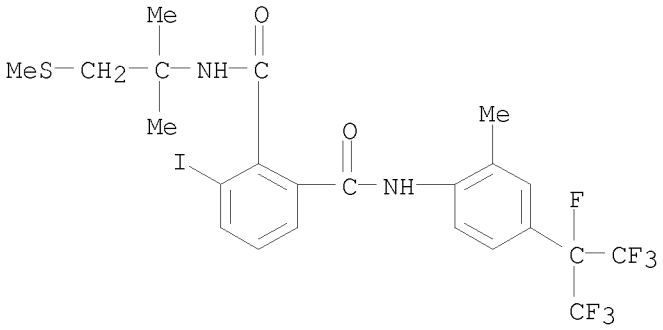


IT 272451-61-3P 272451-69-1P 317812-12-7P, 2-(((1,1-Dimethyl-2-methylsulfinylethyl)amino)carbonyl)-N-(6-(1,1,1,3,3,3-hexafluoropropan-2-yloxy)-2-methylpyridin-3-yl)-3-iodobenzamide 371771-04-9P 371771-06-1P 371771-09-4P, 3-Iodo-2-(((1,1-dimethyl-2-methylsulfinylethyl)amino)carbonyl)benzoic acid methyl ester 371771-19-6P, N-(1,1-Dimethyl-2-methylthioethyl)-2-iodo-6-nitrobenzamide 371771-21-0P 371771-23-2P 371771-25-4P 371771-27-6P 371771-29-8P 371771-31-2P 371771-33-4P 371771-35-6P, 2-(4-Chloro-2-methylphenoxy)-N-(1,1-dimethyl-2-methylthioethyl)-6-iodobenzamide 371771-37-8P, 2-(3-Chloro-5-trifluoromethylpyridin-2-yloxy)-N-(1,1-dimethyl-2-methylthioethyl)-6-iodobenzamide 371771-39-0P, 2-(4,6-Dimethoxypyrimidin-2-yloxy)-N-(1,1-dimethyl-2-methylthioethyl)-6-iodobenzamide 371771-41-4P, 2-(4-Trifluoromethylphenyl)-6-iodo-N-(1,1-dimethyl-2-methylthioethyl)benzamide 371771-43-6P, 2-(4-Trifluoromethylphenyl)-6-iodo-N-(1,1-dimethyl-2-methylsulfinylethyl)benzamide 371771-52-7P, 2-(((1,1-Dimethyl-2-methylsulfinylethyl)amino)carbonyl)-3-iodobenzoic acid n-butyl ester
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of 2-halobenzoic acids by regioselective halogenation of

benzoic acids in presence of palladium compound)

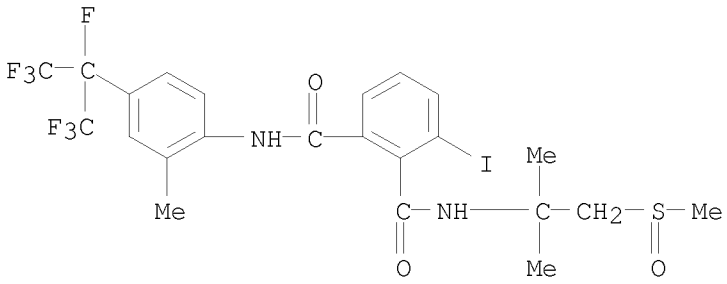
RN 272451-61-3 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



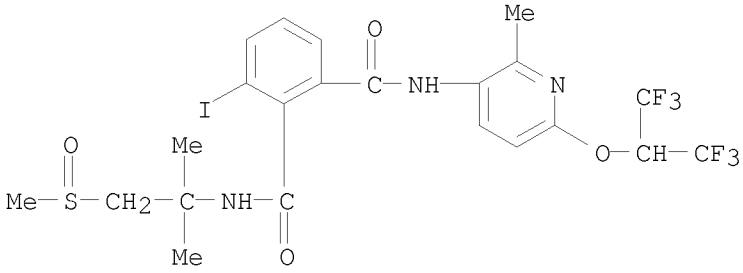
RN 272451-69-1 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



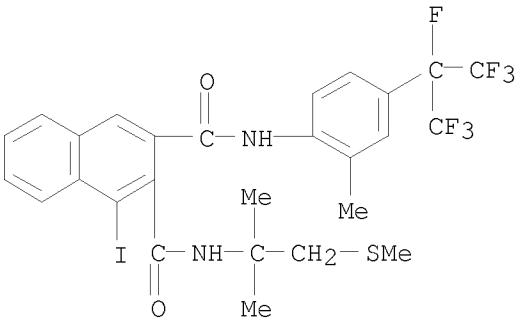
RN 317812-12-7 CAPLUS

CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-3-iodo-N1-[2-methyl-6-[2,2,2-trifluoro-1-(trifluoromethyl)ethoxy]-3-pyridinyl]- (CA INDEX NAME)

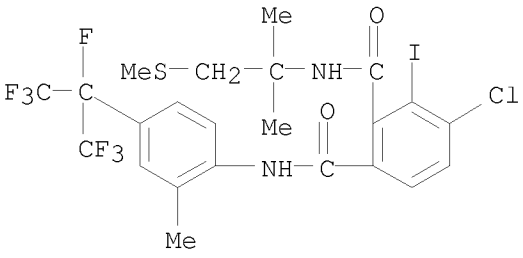


RN 371771-04-9 CAPLUS

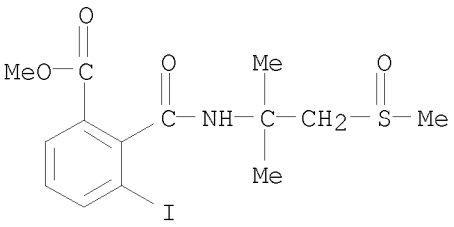
CN 2,3-Naphthalenedicarboxamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-1-iodo-N'-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (9CI) (CA INDEX NAME)



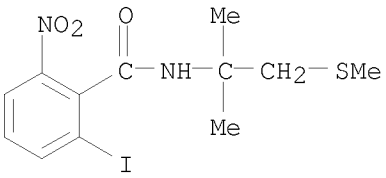
RN 371771-06-1 CAPLUS
CN 1,2-Benzenedicarboxamide, 4-chloro-N2-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



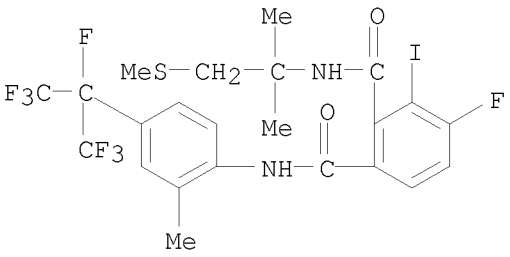
RN 371771-09-4 CAPLUS
CN Benzoic acid, 2-[[[1,1-dimethyl-2-(methylsulfinyl)ethyl]amino]carbonyl]-3-iodo-, methyl ester (CA INDEX NAME)



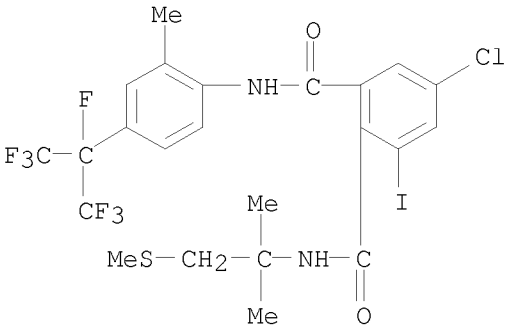
RN 371771-19-6 CAPLUS
CN Benzamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-2-iodo-6-nitro- (CA INDEX NAME)



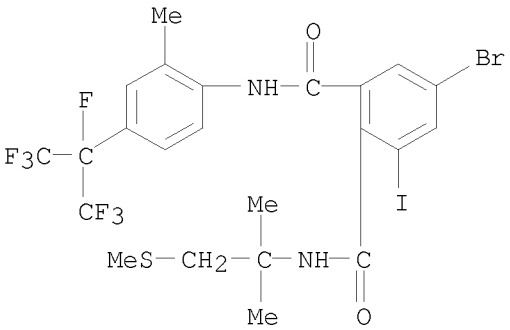
RN 371771-21-0 CAPLUS
CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-4-fluoro-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



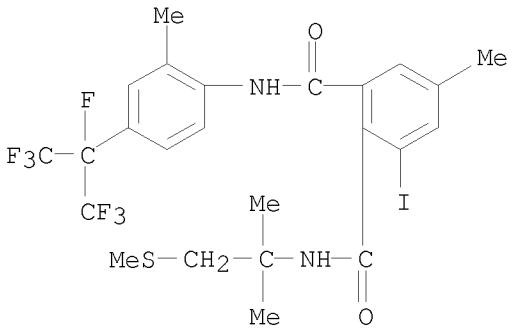
RN 371771-23-2 CAPLUS
CN 1,2-Benzenedicarboxamide, 5-chloro-N2-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



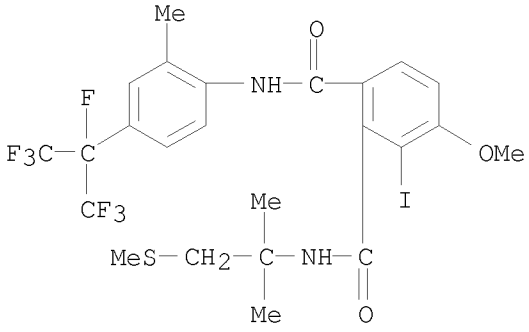
RN 371771-25-4 CAPLUS
CN 1,2-Benzenedicarboxamide, 5-bromo-N2-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



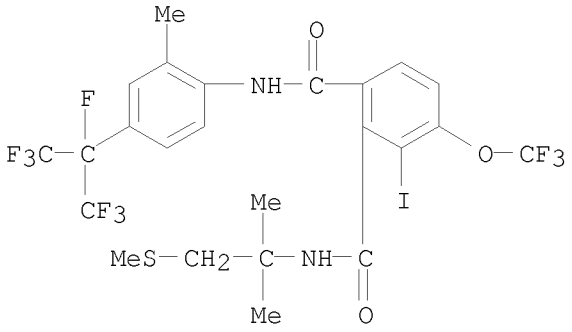
RN 371771-27-6 CAPLUS
CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-5-methyl-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



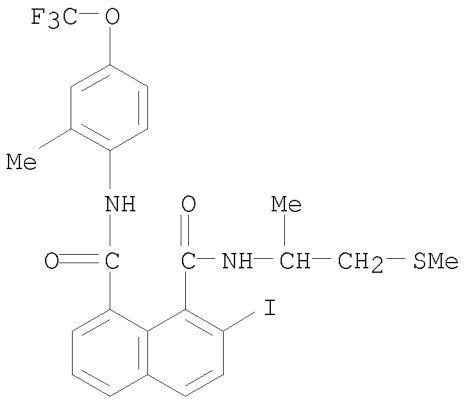
RN 371771-29-8 CAPLUS
CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-4-methoxy-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]- (CA INDEX NAME)



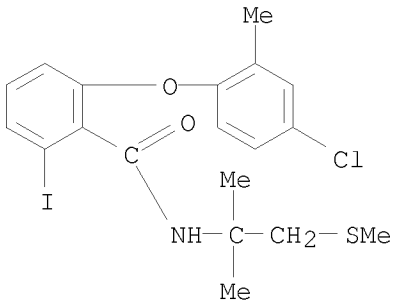
RN 371771-31-2 CAPLUS
CN 1,2-Benzenedicarboxamide, N2-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-N1-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-4-(trifluoromethoxy)- (CA INDEX NAME)



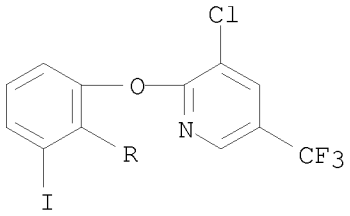
RN 371771-33-4 CAPLUS
CN 1,8-Naphthalenedicarboxamide, 2-iodo-N1-[1-methyl-2-(methylthio)ethyl]-N8-[2-methyl-4-(trifluoromethoxy)phenyl]- (CA INDEX NAME)

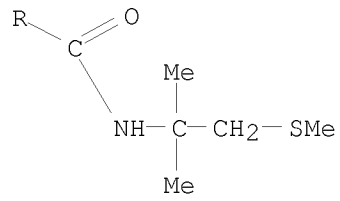


RN 371771-35-6 CAPLUS
CN Benzamide, 2-(4-chloro-2-methylphenoxy)-N-[1,1-dimethyl-2-(methylthio)ethyl]-6-iodo- (CA INDEX NAME)

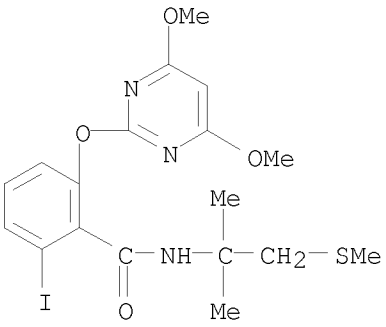


RN 371771-37-8 CAPLUS
CN Benzamide, 2-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]-N-[1,1-dimethyl-2-(methylthio)ethyl]-6-iodo- (CA INDEX NAME)

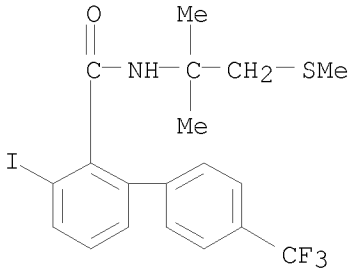




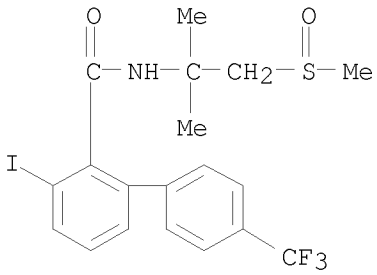
RN 371771-39-0 CAPLUS
CN Benzamide, 2-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-N-[1,1-dimethyl-2-(methylthio)ethyl]-6-iodo- (CA INDEX NAME)



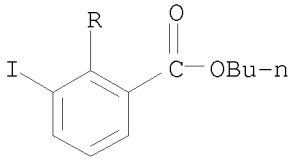
RN 371771-41-4 CAPLUS
CN [1,1'-Biphenyl]-2-carboxamide, N-[1,1-dimethyl-2-(methylthio)ethyl]-3-iodo-4'-(trifluoromethyl)- (CA INDEX NAME)

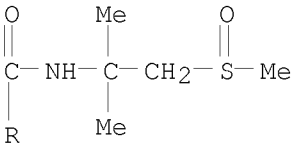


RN 371771-43-6 CAPLUS
CN [1,1'-Biphenyl]-2-carboxamide, N-[1,1-dimethyl-2-(methylsulfinyl)ethyl]-3-iodo-4'-(trifluoromethyl)- (CA INDEX NAME)



RN 371771-52-7 CAPLUS
CN Benzoic acid, 2-[[[1,1-dimethyl-2-(methylsulfinyl)ethyl]amino]carbonyl]-3-iodo-, butyl ester (CA INDEX NAME)





REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT